MOBILE CALL
GSM Alarm System



User's Manual

Profile

For a better understanding of this product, please read this user manual thoroughly before using it.

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Function Instruction:

- 7 wired and 99 wireless defense zones;
- LCD screen with time clock display;
- Voice prompt for all operations;
- 3 groups of timely arm and disarm;
- Can store 6 phone numbers: when alarming, system will make alarm call to these numbers automatically;
- Can store 3 SMS numbers: when alarming, system will send alarming SMS automatically;
- 10-second automatic message recording;
- Built-in artificial intelligent digital voice announcer;
- Built-in artificial intelligent English message;
- Users can make calls by using keypad on alarm panel, just like a telephone;
- One-key-control function: Out Arm, Home Arm, Remote Arm;
- SOS, fire, gas, door, hall, window, balcony, and boundary places alarm;
- Real-time, delay, 24 hours, bypass defense zones programming function;
- Wireless coding: easy to add additional wireless accessories;
- Remote control Arm, Disarm, Monitor, and Intercom by phone;
- Built-in AAA NI-HI rechargeable battery: make alarm when power off;
- Comply with CCC safety standard and GB12663-2001 national standard.

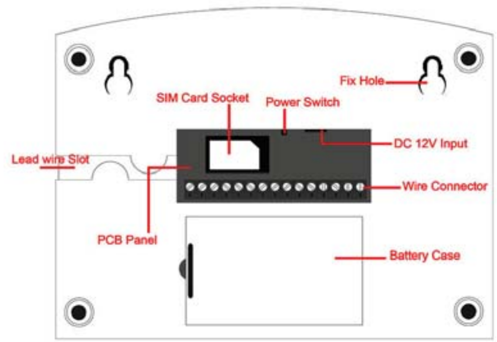
Alarm Host Diagram

In order to make the main unit get the wireless signal well for all wireless accessories, please put the alarm host at the central place of your defense area. Make sure it's away from large metal objects and household appliances which may cause high frequency interference, as well as barriers such as reinforced concrete wall or fire door, etc.

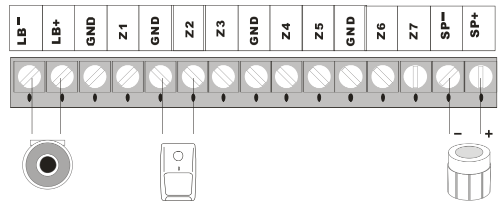
Alarm Panel front schematic diagram:



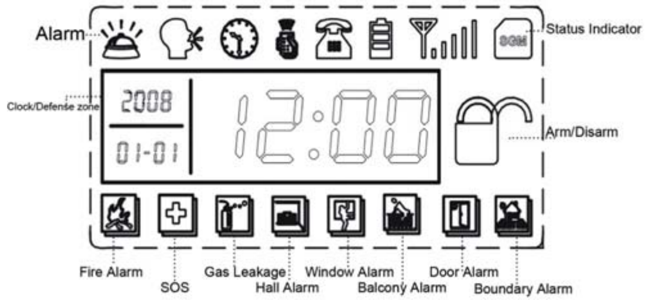
Alarm Panel back schematic diagram:



Wired terminal block:



LCD display:



Function Settings

■ Initialization

Please insert SIM card and plug in power adaptor, and then power on the system, all the LED lights will be on for 2 seconds and you will hear a long beep; the system comes into initialization. After the time clock displays on the LCD screen, the [**SGM**] starts flashing and the main unit starts to detect the GSM network until a long beep. Then the [**SGM**] indicator goes out indicating the system comes into disarm status.

Finally, turn on the backup battery switch.

■ Enter Settings

In the state of disarm, input 4-digit password by the keypad on the main unit and press [#] button to confirm. You will hear a voice prompt: please enter instruction. At the same time, [**SET**] indicator is on without flashing and [0000] displays on the screen, indicating the system enters setting status. You can perform different settings repeatedly as long as the system keeps in setting status. The system will exit setting mode and return to disarm status if you don't press any keypad button for 40 seconds.

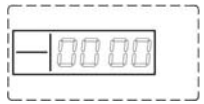
Note: **In setting status, press [icon] can delete the numbers input.**

The system default password is [8888].

Operating method: [**XXXX**]⇨[#]

X indicates the new 4-digit password.

LCD display:



■ Exit Settings

Press [*] and [#] buttons, the main unit emits a long beep and exits settings. The [**SET**] indicator goes out and the system returns to disarm state.

Operating method: 【*】⇨【#】]

■ Factory Reset

In disarm status, use keypad to input [**95175308246**] and press [#] to confirm, all the LED indicators will be on for 2 seconds and you will hear a long beep. The main unit gets all its settings cleared and restores to its factory settings successfully.

Operating method: [**95175308246**] + [#]

■ Coding of Remote Controller

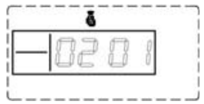
The remote controller has to be code to the alarm host in order to perform normally.

In setup state, use keypad to input [**20**], input the remote controller number [**1~8**], and then press [#] to confirm. The main unit emits a long beep and you will hear "remote control coding". The [[icon]] indicator is on without flashing; press any button on the wireless remote controller, the main unit makes a long beep and you will hear "coding completed", [[icon]] indicator goes out, indicating the remote controller succeeds in coding.

Operating method: [**20**] ⇨ [**A**] ⇨ [#]

A indicates: 1~8 remote controllers number. You can add maximum 8 remote controllers.

LCD display:



■ **Delete Remote Controller**

<u>The remote controller can’t control the main unit after it’s deleted</u>.

In setup state, use keypad to input [**21**], then input the remote controller number [**1-8**], and then press [#] to confirm. The main unit emits a long beep and the [**Signal**] indicator flickers once. You will hear a voice prompt “delete completed”.

<u>Operating method</u>: [**21**] ⇨ [**A**] ⇨ [#]

A indicates: 1~8 remote controllers number.

■ **Coding of Defense Zone**

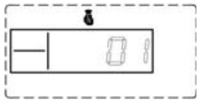
<u>Wireless detectors have to be coded to the main unit in order to trigger it alarm.</u>

In setup state, use keypad to input [**23**], input the defense zone number you want to code [**01~99**], and then input [#] to confirm. The main unit emits a long beep and the corresponding defense zone is displayed on the screen. You will hear a voice prompt “detector coding”. Then trigger a wireless detector to emit a wireless signal; after receiving the signal, the main unit makes a long beep, and you will hear “coding completed”, the [ ] indicator goes out at the same time.

<u>Operating method</u>: [**23**] ⇨ [**XX**] ⇨ [#]

XX indicates: 01 ~99 defense zones number

<u>LCD display:</u>



■ **Delete Defense Zone**

<u>The wireless detector can’t control the main unit after it’s deleted</u>.

In setup state, use keypad to input [**24**], then input the defense zone number you want to delete [**01~99**], and then input [#] to confirm. The main unit emits a long beep and the defense zone indicator flickers once. You will hear a voice prompt “delete completed”.

<u>Operating method</u>: [**24**] ⇨ [**XX**] ⇨ [#]

XX indicates**: 01 ~99 defense zones number**

■ **Change Password**

1 Change Operation Password

<u>Operation password is the password used to disarm or remote control.</u>

In setup status, use keypad to input [**30**], then input the 4-digit new password, and then press [#] to confirm. The main unit will make a long beep and you will hear a voice prompt “setting completed”.

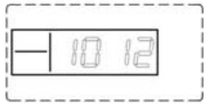
<u>Operating method</u>: [**30**] ⇨ [**XXXX**] ⇨ [#]

XXXX indicates: the new 4-digit password

<u>For example</u>: change the system password to 1012

<u>Operating method</u>: [**30**] ⇨ [**1012**] ⇨ [#]

<u>LCD display:</u>



2 **Change Program Password**

<u>Program password is the password you should input in order to setup the system.</u>

In setup status, use keypad to input [**31**], then input the 4-digit new password, and then press [#] to confirm. The main unit will make a long beep and you will hear a voice prompt “setting completed”.

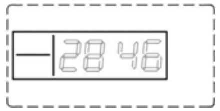
<u>Operating method</u>: [**31**] ⇨ [**XXXX**] ⇨ [#]

XXXX indicates: the new 4-digit password

<u>For example</u>: change the system password to 2846

<u>Operating method</u>: [**31**] ⇨ [**2846**] ⇨ [#]

<u>LCD display:</u>



Note: the operation password and the programming password can not be set as the same number.

■ **Clock Setting**

In setup status, use keypad to input [**32**], then input the last 2 digits [AA] of the present year, the two digits [BB] of the month, the two digits [CC]

of the date, the two digits [DD] of the hour (24-hour system), the two digits [EE] of the minute, the two digits [FF] of the second, and finally enter [#] to confirm. You will hear a long beep and a voice prompt "setting completed".

<u>Operating method</u>: [32]⇨[**AA**]⇨[**BB**]⇨[**CC**]⇨[**DD**]⇨[**EE**]⇨[**FF**]⇨[#]

AA indicates: the last 2 digits of the present year
BB indicates: the 2 digits of the present month
CC indicates: the 2 digits of the present date
DD indicates: the 2 digits of the present hour
EE indicates: the 2 digits of the present minute
FF indicates: the 2 digits of the present second

<u>For example</u>: set the time as 15:35:40, Oct. 1st, 2009

<u>Operating method</u>: [32]⇨[**09**]⇨[**10**]⇨[**01**]⇨[**15**]⇨[**35**]⇨[**40**]⇨[#]

■ **Timing Settings**

1 Timely Arm

In setup status, use keypad to input [33~35], then input the hour [AA] and minute [BB] of the time you want to set to arm, and finally input [#] to confirm. You will hear a long beep and a voice prompt "setting completed".

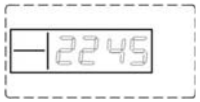
<u>Operating method</u>: [XX]⇨[**AA**]⇨[**BB**]⇨[#]

XX indicates: the address code 33, 34, 35 of the timely arming
AA indicates: the hour of the setting time
BB indicates: the minute of the setting time

<u>For example</u>: set the arm time as 45' 10pm

<u>Operating method</u>: [33]⇨[**22**]⇨[**45**]⇨[#]

<u>LCD display:</u>



2 Timely Disarm

In setup status, use keypad to input [36~38], then input the hour [AA] and minute [BB] of the time you want to set to disarm, and finally input [#] to confirm. You will hear a long beep and a voice prompt "setting completed".

<u>Operating method</u>: [XX]⇨[**AA**]⇨[**BB**]⇨[#]

XX indicates: the address code 36, 37, 38 of the timely disarming
AA indicates: the hour of the setting time
BB indicates: the minute of the setting time

<u>For example</u>: set the arm time as 55' 7pm

<u>Operating method</u>: [33]⇨[**22**]⇨[**45**]⇨[#]

<u>LCD display:</u>



3 Timing Control

In setup status, use keypad to input [39], then input the number indicating turning on timely arm/ disarm [1/0], and then input [#] to confirm. You will hear a long beep and a voice prompt "setting completed". The factory default is off.

<u>Operating method</u>: [39]⇨[**0/1**]⇨[#]

<u>0:</u> turn off the function of timely arm/ disarm
<u>1:</u> turn on the function of timely arm/ disarm

<u>For example</u>: turn on the function of timely arm/ disarm

<u>Operating method</u>: [39]⇨[**1**]⇨[#]

■ **Alarm Number Setting**

In setup state, input [**51**] ~ [**56**], then input the voice alarm-receiving number (mobile number or telephone number), and then press [#] to confirm. The main unit will make a long beep, the [**Signal**] indicator will flicker once, and you will hear "setting completed", which indicate voice alarm-receiving number is set successfully.

<u>Operating method</u>: [**XX**] ⇨ [**YY…YY**] ⇨ [#]

XX indicates**:** the 1- 6 alarming user number [**51**] ~ [**56**]
YY…YY indicates: voice alarm-receiving phone number

<u>For example</u>: set 13811111111 as the first voice call number

<u>Operating method</u>: [**51**] ⇨ [**13811111111**] ⇨ [#]

<u>LCD display:</u>



■ **Delete Phone Number**

In setup state, input [**51**] ~ [**56**], and then press [#] to confirm the main unit will make a long beep and the [**Signal**] indicator will flicker once and you will hear "delete completed", which indicate the alarming user number is deleted successfully.

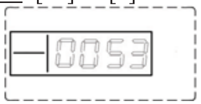
<u>Operating method</u>: [**XX**] ⇨ [#]

XX indicates**:** the 1- 6 alarming user number [**51**] ~ [**56**]

<u>For example</u>: Delete the third alarming user number from the system.

<u>Operating method</u>: [**53**] ⇨ [#]

<u>LCD display:</u>



■ **SMS Receiving Number Setting**

SMS Receiving number means when system is alarming, it will only send SMS to this mobile number. You can set maximum 3 SMS numbers. In setup state, input [**57**] ~ [**59**], then input the SMS receiving number, and then press [#] button to confirm. The main unit will make a beep, the [**Signal**] indicator will flicker once and you will hear "setting completed", which indicate setup successfully.

<u>Operating method</u>: [**XX**] ⇨ [**YY…YY**] ⇨ [#]

XX indicates: address codes of message-receiving numbers from the first group to the third group [**57**] ~ [**59**]

YY…YY indicates: the SMS receiving number

<u>For example</u>: setup 13822222222 as the first SMS receiving number

<u>Operating method</u>: [**57**] ⇨ [**138222222**] ⇨ [#]

■ **Delete SMS Receiving Number**

In setup state, use keypad to input [**57**] ~ [**59**], and then press [#] button to confirm. The main unit will make a beep, the [**Signal**] indicator will flicker once and you will hear "delete completed", which indicate SMS number is deleted successfully.

<u>Operating method</u>: [**XX**] ⇨ [#]

XX indicates: address codes of message-receiving numbers from the first

group to the third group [**57**] ~ [**59**]

<u>For example</u>: delete the first SMS user number from the system

<u>Operating method</u>: [**57**] ⇨ [#]

■ **Defense Zone Programming**

If you want to change the alarm attribute of defense zone, such as turn off the siren when system alarms, you can do it by defense zone programming. In setup state, first input [**60**], then the defense zone number [**01~99**], then input defense zone type [**1~4**], then input defense zone location number [**1~8**], and then select siren on/off [**0/1**], at last press [#] to confirm. You will hear the main unit emit a long beep and a voice prompt "setting completed".

<u>Operating method</u>: [**60**] ⇨[**AA**] ⇨[**B**] ⇨[**C**] ⇨[**D**] ⇨[#]

AA: defense zone number [**01~99**] means zone 1 to zone 99;

B: defense zone type

[**1**]: real-time defense zone [**2**]: 40 seconds delay defense zone

[**3**]: 24 hours defense zone [**4**]: bypass defense zone

C: defense zone location

[**1**] SOS Alarm [**2**] Fire Alarm [**3**] Gas Leak Alarm

[**4**] Door Alarm [**5**] Hall Alarm [**6**] Window Alarm

[**7**] Balcony Alarm [**8**] Boundary Alarm

D: siren ON/OFF: [**0**] OFF, [**1**] ON

<u>For example</u>: set defense zone 12 to be 24-hour, fire alarm and siren on

<u>Operating method</u>: [**60**] ⇨[**12**] ⇨[**3**] ⇨[**2**] ⇨[**1**] ⇨[#]

■ **Home Arm Defense Zone Setting**

If you want some detectors work and some do not, you can use [**Home Arm**] function.

In setup state, use keypad to input [**61**], then choose the corresponding defense zone number [**01~99**], then choose [**Home Arm**], and then choose whether alarm [**0/1**] button, and finally press [#] to confirm. The main unit will make a long beep and a voice prompt "setting completed".

<u>Operating method</u>: [**61**] ⇨ [**XX**] ⇨ [**A**] ⇨ [#]

XX indicates: [**01~99**] is defense zone 1 to defense zone 99

A indicates: [0] Home arm but not alarm

[1] Home arm and alarm

For example: set defense zone 11 to be Home arm and alarm

Operating method: [**61**] ⇨[**11**] ⇨[**1**] ⇨[#]

For example: set defense zone 12 as Home arm but not alarm

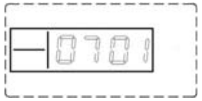
Operating method: [**61**] ⇨ [**12**] ⇨ [**0**] ⇨ [#]

■ **Artificial Recording**

In setup state, use keypad to input [**701**], and then press [#] to confirm. The main unit will emit a beep and the [ ] indicator is on, and after 10 seconds countdown, recording starts: record at 30cm away from the main unit with moderate tone; 10 seconds later, the main unit will make a beep indicating the recording stops and the recorded voice will replay.

Operating method: [**701**] ⇨ [#]

LCD display:



■ **Siren Setting**

In setup state, use keypad to input [**75**]; in the operation of arm/ disarm by remote control, select if the siren sounds or not by [**0/1**] button, and then press [#] to confirm. The main unit will emit a long beep and a voice prompt "setting completed".

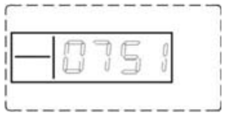
Operating method: [**75**] ⇨ [**A**] ⇨ [#]

A indicates: [**0**] Siren off; [**1**] Siren on; System default: [**0**] Siren off

For example: set siren on when arm/ disarm

Operating method: [**75**] ⇨ [**1**] ⇨ [#]

LCD display:



Operation Instructions

■ System status.There are 4 status as following:

- Arm: defense zone 1~99 will alarm when detectors are triggered
- Home Arm: in arm status, the defense zone which is set as [Home

Arm] will alarm when detectors are triggered.

- Disarm: defense zone 1~99 will not alarm when detector triggered (except 24 hours defense zone)
- System setup status: In this status, all defense zones will not alarm when detectors are triggered.

■ Remote Controller Operation

Users can use remote controller to set system as Out Arm, Home Arm, Emergency Alarm, Real-time Disarm and etc.

- Out Arm: Press button
- Disarm: Press button
- Home Arm: Press button
- Emergency Alarm: Press button, system will alarm at once.

■ **Out Arm**

It means to guard all around your house while everyone is going out; all the detectors of the host are always working; when the detector is triggered by detecting source (anti-theft, fire prevention, gas leak, etc.), the alarm system will sound the alarm.

Press [**Out Home**] button on keypad, system will make a beep per second and totally 100 beeps. The **[OUT ARM]** indicator will be on without flashing. It means Out Arm is set successfully.

Arm Operation: Press [**Out Home**] button

LCD display:



■ **Home Arm**

It means, for the safety, while somebody is at home, you need to enable the peripheral door, window, balcony and boundary detectors of the alarm system while prevent from triggering the indoor detectors, which may cause improper warning; then, you shall select Arm at Home, let just part of the detectors work and disable the other parts.

Main Unit Operation: Press [**At Home**] button on keypad

Remote Control Operation: Press [ ] button on remote controller.

LCD display:



■ **Disarm**

It means to stop the alarm when the main unit sounds the alarm or make the alarm system in the state of non-warning. After disarming, even if you trigger the detector, the main unit would not sound alarm (excluding 24-hour defense areas).

Use keypad to input system password, then press [#] button. [**Out Home**] or [**At Home**] lights will be off. It means set system disarm successfully.

Remote Control Operation: Press [ ] button on remote controller

Main Unit Operation: input system password + [#]

LCD display:



■ **Answer Alarm Call**

When the main unit sounds alarm, it will dial the preset numbers. If no one answers the call, the system will call the next user number automatically. The system will call each preset numbers for 3 times in order.

If you answer the call, you will hear the pre-record voice. You can set system via your telephone or mobile phone keypad.

If you hang-up directly without answering the call, the system will call each preset number for 3 times circularly.

Press [*]: Read the alarm information.

Press [1]: Main unit stops alarming and Arm; it stops calling users.

Press [2]: Main unit stops alarming and Disarm; it stops calling users.

Press [3]: Siren off and monitors the scene for 30 seconds; for continued monitoring, press [3] again to monitor for another 30 seconds.

Press [4]: Main unit starts a 30-second two-way intercom. During this time, the main unit cannot be controlled by the mobile until 30 seconds later.

■ **Remote Control**

Dial the number associated to the alarm main unit by phone (mobile phone), and after one ringing cycle, you can hear a voice prompt "Please enter password". If the password is right, you will here "Press 1 to arm, Press 2 to disarm, Press 3 to Monitor, Press 4 to Intercom". If the password is wrong, you will hear a prompt voice "wrong password, please re-enter".

Press [1]: arm, if finished successfully, you will hear a voice prompt "System armed".

Press [2]: disarm, if finished successfully, you will hear a voice prompt "System disarmed".

Press [3]: monitoring for 30 seconds, to continue monitoring, press [3] again to monitor for another 30 seconds.

Press [4]: two-way intercom for 30 seconds. You can't operate the main unit during this time.

■ **Emergency Help**

Press [Emergency] button on keypad, or [ ] button on remote controller or wireless panic button, the main unit will alarm and make call to the preset user numbers.

■ **System Dialing Function**

In disarm status; you can use the main unit to make any call just like a land-line telephone. Dial telephone number on keypad, press [ ] button, the main unit will make a beep and the [**Signal**] indicator will be flashing. After the call, press [ ] button again, the main unit will be in disarm status.

Alarming Record Checking

In disarm state, input [*0#], then the main unit will make a long beep and enters the state of alarm record checking. After displaying the alarm and defense zone number indicator, the LCD screen will display the exact alarming time of this defense zone. Press 2, you can upturn to check the

previous alarming record; press 8, downturn to check; and press [*#] to exit checking.

For example: the 51st defense zone; the 7th alarming; alarming time: 12:00, August 1st, 2008. LCE display

for one second, and then



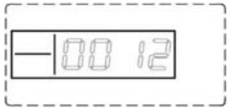
display the alarming time:



GSM Signal Checking

Before installing the main unit, you should check the signal of the installing place in order to ensure the unit can perform well. In setup state, input [81] ⇨ #, the main unit will make a long beep and display 00+XX (XX indicates the intensity of the signal). And the intensity should be within the range of 07-31; if it's less than 07, you should change place.

For example: if the signal intensity is 12, it will display as:



Maintenance

■ **System Checking**

Although the alarm system is used everyday, periodical maintenance and test are required to assure that it can run stably, reliably and safely. Usually thorough test must be performed on the alarm main unit every three months. You'd better check the detector once a month; if not permitted by condition, you should check it at least every three months.

Check the main unit:

1. Whether it can arm/disarm normally.

2. Whether it can dial the number for alarm normally.
3. Whether it can receive wireless detectors' signal normally
4. Whether the back-up battery can work normally.

Check the wireless detectors:

1. Trigger wireless detectors to see if system can alarm normally.
2. Check all detectors' batteries to see if it's in low voltage.
3. Check whether wireless detectors can send signal to the main unit normally.

■ **Notes:**

Please do not disassemble, repair and alter the products without permission, or it may cause accidents and faults.

Do not drop this product on the ground or on hard objects, as it may lead to massive impact to cause faults and damages.

Without approval and consent of relevant authorities, please do not set "110", "119" or the alarm phone number of police station for this main unit.

Technical Parameters

■ **List 1**:

Input Voltage	DC12V/1A
Standby Current	<55mA
Alarming Current	<450mA
Wireless Frequency	433MHz, 2262/4.7MΩ
GSM Frequency	900/ 1800/ 1900MHz
Back-up Battery	NI-HI AAA*6 DC7.2V
Siren Volume	110dB

■ **List 2**:

Defense Zone	**Arm**	**Home Arm**	**Type**	**Alarm Information**	**Siren**
Zone 1	effective	invalid	real-time	Door alarm	yes
Zone 2	effective	invalid	real-time	Hall alarm	yes
Zone 3	effective	effective	real-time	Window alarm	yes
Zone 4	effective	effective	real-time	Balcony alarm	yes
Zone 5	effective	effective	24 hours	Fire alarm	yes
Zone 6	effective	effective	24 hours	Gas alarm	yes
Emergency button	effective	effective	24 hours	Emergency alarm	no
Zone 7-99	effective	invalid	real-time	Emergency alarm	yes
Wired defense zone（96-99）	effective	invalid	real-time	Emergency alarm	yes
Operation Password		8888	Remote control	On	
Remote control Password		1234	Siren	Off	
Siren sound time		180 sec.	Home Appliance	Optional	

Components list

Main panel	1 pc,
Remote controller	2 pcs,
PIR sensor	1 pc,
Door sensor	1 pc,
Power adapter	1 pc,
User manual	1 pc.

The following sensors can be optional:


Signal Repeater


Wireless keypad


Wireless Outdoor Siren with flash


Glass Sensor


Panic Button


Remote Controller


Wireless Smoke Detector


Gas Detector


Wireless Pet Immune PIR Detector

Optional sensors/detectors are packed separately. They include remote controller, outdoor siren, transmitter, wireless PIR, wireless gap sensor, wireless gas detector, wireless smoke detector, panic button, baluster, etc. You can choose according to your specific requirements.

Typical house configuration

